

ADDITIONS TO THE CATALOG OF OHIO VASCULAR PLANTS FOR 1926.*

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New distribution records of both genera and species continue to be made for the state. This is especially true of plants characteristic of the southern Appalachian Region. Numerous species of this flora extend in a broad triangle into Southern Ohio, some of them reaching northward to nearly the middle of the state. Great care is being taken to make these annual lists as accurate as possible so that they may be used with confidence in all studies dealing with the ecology, geography and floristics of the region covered.

12. *Polypodium polypodioides* (L.) Hitch. Gray Polypody. Leaning Rock, Clear Creek Road, Hocking Co. Robert B. Gordon.
18. *Pellaea atropurpurea* (L.) Link. Purple Cliff-brake. "Growing on sandstone outcrop about 3 ft. high." "Buffalo Beat," Buchtel, Athens Co. Len Stephenson.
20. *Asplenium pinnatifidum* Nutt. Pinnatifid Spleenwort. White's Gulch, Liberty Twp., Jackson Co. Mrs. Bayard Taylor. Also Vinton Furnance, Vinton Co., and Canthers Caves, Jackson Co. Len Stephenson.
26. *Asplenium montanum* Willd. Mountain Spleenwort. White's Gulch, Liberty Twp., Jackson Co. Mrs. Bayard Taylor. Also Canthers Caves, Jackson Co. Len Stephenson.
44. *Pteretis nodulosa* (Mx.) Nieuwl. American Ostrich-fern. Clear Creek, Hocking Co. Edward S. Thomas.
53. *Equisetum laevigatum* A. Br. Smooth Scouring-rush. Swanton Twp., Lucas Co. E. L. Moseley.
63. *Lycopodium complanatum* L. Trailing Club-moss. McConnells-ville, Morgan Co. Minnie M. Johnson.
156. *Eleocharis acuminata* (Muhl.) Nees. Flat-stemmed Spike-rush. Urbana Bog, Champaign Co. "Wettest part of bog." E. Lucy Braun.
171. *Eriophorum viridicarinatum* (Eng.) Fern. Thin-leaf Cotton-sedge. Urbana Bog, Champaign Co. E. Lucy Braun.
179. *Scleria triglomerata* Mx. Tall Nut-rush. Adams Co. (East edge). "Open ridge." E. Lucy Braun.
230. *Carex eburnea* Boott. Bristle-leaf Sedge. Cedar Fork, Adams Co. "Dry ridge in open woods." E. Lucy Braun.

*Papers from the Department of Botany, The Ohio State University, No. 184.

- 235. *Carex careyana* Torr. Carey's Sedge. Pemberton, Wood Co. "In a rich woods." E. L. Moseley.
- 245. *Carex crawei* Dew. Crawe's Sedge. Marblehead prairie, Ottawa Co. E. L. Moseley.
- 248. *Carex conoidea* Schk. Field Sedge. Swanton Twp., Lucas Co. E. L. Moseley.
- 265. *Carex haydeni* Dew. Hayden's Sedge. Whitehouse, Lucas Co. E. L. Moseley.
- 295. *Carex lupuliformis* Sartw. Hop-like Sedge. Summit Co. Collected in 1912 by V. Sterki. Specimen in Herbarium, Carnegie Museum, Pittsburgh. Otto E. Jennings.
- 334. *Eragrostis pectinacea* (Mx.) Steud. Purple Love-grass. "Common along the road near Blanchester," Clinton Co. Katie M. Roads.
- 345. *Korycarpus arundinaceus* Zea. American Korycarpus. Fort Ancient, Warren Co. Katie M. Roads.
- 347. *Triplasis purpurea* (Walt.) Chapm. Purple Sand-grass. On beach of Lake Erie. North Madison, Lake Co. John H. Schaffner, F. J. Tyler and R. B. Gordon.
- 352. *Arrhenatherum elatius* (L.) Beauv. Oat-grass. "Sown long ago and has spread near Maumee River 2 miles above Valmer's Park," Wood Co. E. L. Moseley.
- 372a. *Hordeum vulgare trifurcatum* Schlecht. Hooded Barley. Hillsboro, Highland Co. Katie M. Roads.
- 384. *Sporobolus vaginiflorus* (Torr.) Wood. Sheathed Rush-grass. Swanton, Lucas Co. E. L. Moseley.
- 391.1. *Agrostis perennans* (Walt.) Tuck. Upland Bent-grass. Marshal Twp., Highland Co. Katie M. Roads.
- 404. *Muhlenbergia tenuiflora* (Willd.) B. S. P. Slender Muhlenbergia. Fort Ancient, Warren Co. Katie M. Roads.
- 412. Change name to *Aristida longespica* Poir. (*A. gracilis* Ell.) and add, Hillsboro, Highland Co. Katie M. Roads.
- 416. *Phalaris canariensis* L. Canary-grass. "A weed in strawberry patch," Zanesville, Muskingum Co. W. G. Stover and H. A. Runnels.
- 423.1. *Panicum verrucosum* Muhl. Warty Panic-grass. Beaver Pond, Adams Co. "Moist clay banks." E. Lucy Braun.
- 426. *Panicum flexile* (Gatt.) Scrib. Wiry Panic-grass. Liberty and Marshal Twps., Highland Co., Katie M. Roads.
- 427. *Panicum philadelphicum* Bernh. Philadelphia Panic-grass. Near Hillsboro, Highland Co. Katie M. Roads.
- 440. *Panicum implicatum* Scrib. Slender-stemmed Panic-grass. Swanton Twp., Lucas Co. E. L. Moseley.
- 440.1. *Panicum meridionale* Ashe. Matting Panic-grass. Swanton Twp., Lucas Co. E. L. Moseley.
- 448. *Panicum boscii* Poir. Bosc's Panic-grass. Marshal Twp., Highland Co. Katie M. Roads.
- 452. *Syntherisma ischaemum* (Schreb.) Nash. Small Crab-grass. "Common in pasture lots and waste places." Liberty Twp., Highland Co. Katie M. Roads.

- 468.1. *Erianthus divaricatus* (L.) Hitchc. Long-haired Wooll-grass. "In an old field along Turkey Creek," Scioto Co. Conrad Roth.
- 489.1. *Muscari comosum* (L.) Mill. Blue-tufted Grape-hyacinth. "In an old pasture field." Near Buena Vista, Scioto Co. Escaped from cultivation, native of Europe. Conrad Roth.
499. *Chamaelirium luteum* (L.) Gr. Chamaelirium. Shawnee State Forest, Scioto Co. Mrs. Bayard Taylor. Also Conrad Roth.
500. *Triantha glutinosa* (Mx.) Baker. Glutinous Triantha. Swanton Twp., Lucas Co. E. L. Moseley.
541. *Juncus aristulatus* Mx. Small-headed Grass-leaf Rush. Washington Twp., Highland Co. Katie M. Roads.
542. *Juncus marginatus* Rostk. Grass-leaf Rush. Marshal Twp., Highland Co. Katie M. Roads.
- 557.1. *Iris germanica* L. Common Iris. "In a pasture field near Hillsboro," Highland Co. Katie M. Roads.
- 557.3. *Iris foliosa* Mack. & Bush. Leafy Blue-flag. Catawba Island, Ottawa Co. "Common at several points on the Catawba Island peninsula and was also seen, though not in flower, growing mixed with *Iris versicolor* in the Northwest corner of Middle Bass Island." Edgar Anderson. (The species in the Gray Herbarium from Toledo and listed as *I. hexagona* Walt. may be the same form. J. H. S.)
- 557.4. *Iris fulva* Ker. Red-brown Iris. "Escaped in a pasture along a brook from plants transplanted on the farm in former years." Near Mechanicsburg, Champaign Co. A. E. Waller.
- 561.1. *Sisyrinchium mucronatum* Mx. Michaux's Blue-eyed-grass. Marblehead prairie. Ottawa Co. E. L. Moseley.
589. *Ibidium ovale* (Lindl.) House. Small-flowered Lady's-tresses. Roosevelt Game Preserve, Scioto Co. A. R. Harper and Conrad Roth. Also Marshal Twp., Highland Co. Katie M. Roads.
593. *Periamium pubescens* (Willd.) MacM. Downy Rattlesnake-plantain. Hazelwood, Hamilton Co. Herbarium, University of Cincinnati. Belden Saur.
595. *Liparis liliifolia* (L.) Rich. Large Twayblade. Perry, Lake Co. Raymond A. Densmore.
- 602.1. *Hexalectris spicata* (Nutt.) Barnh. Crested Coral-root. Beaver Pond, Adams Co. "Open woods." E. Lucy Braun.
- 648.1. *Thalictrum revolutum* DC. Waxy Meadow-rue. Cedar Fork, Adams Co. "In openings." E. Lucy Braun.
- 657.1. *Berberis thunbergii* DC. Japanese Barberry. Escaped on a farm 5 miles southwest of Chardon, Geauga Co. John W. Baringer.
663. *Drosera rotundifolia* L. Roundleaf Sundew. Huron Co. R. W. Franks and C. F. Walker.
666. *Papaver rhoeas* L. Field Poppy. "Along a road near Hillsboro," Highland Co. Katie M. Roads.
676. *Adlumia fungosa* (Ait.) Greene. Climbing Fumatory. Thompson Ledges, Thompson, Geauga Co. F. J. Tyler, John H. Schaffner, and Robert B. Gordon.

682. *Berteroa incana* (L.) DC. Hoary Berteroa. Eaton, Preble Co. Carl N. Gibboney. Also Gambier, Knox Co. L. B. Walton.
- 686.1. *Draba cuneifolia* Nutt. Wedge-leaf Whitlow-grass. Two miles north of Locust Grove, Adams Co. "In fields on Cedarville dolomite." E. Lucy Braun.
699. *Lepidium densiflorum* Schrad. Wild Peppergrass. (L. apetalum Willd.) Northwest of Monclova, Lucas Co. E. L. Moseley.
703. *Thlaspi arvense* L. Field Penny-cress. Hamilton, Butler Co. "In alfalfa field" Ralph C. Smith. Also Portsmouth, Scioto Co., Conrad Roth; and Buchtel, Athens Co., Len Stephenson.
716. *Arabidopsis thaliana* (L.) Britt. Mouse-ear Cress. White's Gulch, Liberty Twp., Jackson Co. Mrs. Bayard Taylor. Also Old Man's Cave, Hocking Co. Mrs. Bayard Taylor, and also W. H. Camp.
730. *Arabis brachycarpa* (T. & G.) Britt. Purple Rock-cress. Swanton Twp., Lucas Co. E. L. Moseley.
- 742.3. *Leavenworthia uniflora* (Mx.) Britt. Michaux's Leavenworthia. Locust Grove, Adams Co. "Grassy rocky slopes." E. Lucy Braun.
764. *Erodium cicutarium* (L.) L' Her. Stork's-bill. "A weed in nursery stock." Mentor, Lake Co. "Mr. H. C. Beardslee says that this plant was introduced into Lake Co. many years ago in manure scraped from cattle cars by the freight agent at Painesville who used the manure on his garden." F. J. Tyler.
- 785.1. *Polygala incarnata* L. Pink Milkwort. Head of Beech Fork, Adams Co. "Openings, oak-hickory woods." E. Lucy Braun.
788. *Polygala polygama* Walt. Racemed Milkwort. Swanton Twp., Lucas Co. "Sandy field." E. L. Moseley.
830. *Hibiscus militaris* Cav. Halberd-leaf Rose-mallow. "Common along shores of islands in Maumee River." Otsego, Wood Co. E. L. Moseley.
- 875.1. *Viola cucullata* Ait. Marsh Blue Violet. Hocking Co. Rufus Crane.
884. *Viola sagittata* Ait. Arrowleaf Violet. Alum Creek, Delaware Co. Rufus Crane.
912. *Silene latifolia* (Mill.) Britt & Rend. Bladder Campion. Hillsboro, Highland Co. Katie M. Roads.
916. *Silene noctiflora* L. Night-blooming Catchfly. Urbana, Champaign Co. D. D. Dowds.
966. *Salsola pestifer* Nels. Russian-thistle. Lake shore, Geneva Harbor, Ashtabula Co. John H. Schaffner.
1002. *Guem flavum* (Porter) Bickn. Cream-colored Avens. Buckeye Lake, Licking Co. R. B. Gordon.
1009. *Potentilla recta* L. Upright Cinquefoil. Along roadside in Shaker Lake region, Cleveland, Cuyahoga Co. F. J. Tyler.
1015. *Comarum palustre* L. Purple Marshlocks. Huron Co. R. W. Franks and C. F. Walker.
- 1037.1. *Spiraea prunifolia* Sieb. & Zucc. Bridal-wreath. Native of Japan and China. "Growing in a pasture lot" near Hillsboro, Highland Co. Katie M. Roads.

- 1088. *Prunus avium* L. Sweet Cherry. Near Hillsboro, Highland Co. Katie M. Roads.
- 1104. *Baptisia leucantha* T. & G. Large White Wild-indigo. Hamer Twp., Highland Co. Collected by Joesph and Paul Wilkin. Katie M. Roads.
- 1116. *Trifolium arvense* L. Rabbit-foot Clover. Brown Twp., Knox Co. R. B. Gordon and John H. Schaffner.
- 1122. *Lotus corniculatus* L. Bird's-foot Trefoil. Persistent after cultivation. Columbus, Franklin Co. John H. Schaffner.
- 1138. *Meibomia pauciflora* (Nutt.) Ktz. Few-flowered Tick-trefoil. Fort Ancient, Warren Co. Katie M. Roads.
- 1138.1. *Meibomia arenicola* Vail. Sand Tick-trefoil. Swanton Twp., Lucas Co. E. L. Moseley.
- 1152. *Lespedeza procumbens* Mx. Trailing Bush-clover. Marshal Twp., Highland Co. Katie M. Roads.
- 1170. *Lathyrus palustris* L. Marsh Pea. Huron Co. R. W. Franks and C. F. Walker.
- 1177.1. *Galactia volubilis* (L.) Britt. Downy Milk-pea. Cedar Fork, Adams Co. "Dry soil openings." E. Lucy Braun.
- 1178. *Phaseolus polystachyus* (L.) B. S. P. Wild Bean. Turkey Creek, Adams Co. "In thickets." E. Lucy Braun.
- 1229. *Acer spicatum* Lam. Mountain Maple. "In very deep shaded ravine south of Little Mountain," Geauga Co. F. J. Tyler.
- 1284. *Betula alba* L. European White Birch. "A large and well established colony at Fovargue's Beach, Lake Erie; growing both in the sand of the beach and on the higher ground back." Perry, Lake Co. F. J. Tyler.
- 1329. *Ribes odoratum* Wendl. Buffalo Currant. Buchtel, Athens Co. Len Stephenson.
- 1344. *Raimannia laciniata* (Hill.) Rose. Cutleaf Evening-primrose. "In an oats field and also in two adjoining pasture lots near" Hillsboro, Highland Co. Katie M. Roads.
- 1359. *Cucurbita maxima* Duchesne. Squash. Near Hillsboro, Highland Co. Katie M. Roads.
- 1394. *Azalea nudiflora* L. Pink Azalea. Hocking Co. Len Stephenson.
- 1403. *Gaultheria procumbens* L. Creeping Wintergreen. "On north and west facing weathered shale slope." Flint ravine, Sharon Twp., Franklin Co. A. E. Waller.
- 1412. *Oxycoccus macrocarpus* (Ait.) Pursh. Large Cranberry. Huron Co. R. W. Franks and C. F. Walker.
- 1415. *Diospyros virginiana* L. Persimmon. Near Lake Erie, North Madison, Lake Co. Apparently native and thus the farthest northern occurrence in Ohio. Originally a large patch of old trees, now mostly cut down, those remaining forming an irregular row along the road. F. J. Tyler and John H. Schaffner.
- 1427. *Ipomoea hederacea* Jacq. Ivyleaf Morning-glory. Buchtel, Athens Co. Len Stephenson.
- 1433.1. *Convolvulus repens* L. Trailing Bindweed. Cedar Falls, Adams Co. "In fields." E. Lucy Braun.
- 1464. *Gentiana quinquefolia* L. Stiff Gentian. Greenbrier district, Adams Co. "Fairly common." Conrad Roth.

1467. *Gentiana saponaria* L. Soapwort Gentian. Near Portsmouth, Scioto Co. Conrad Roth.
1468. *Gentiana andrewsii* Griseb. Closed Gentian. Near Gallipolis, Gallia Co. Conrad Roth.
1470. *Gentiana villosa* L. Striped Gentain. Roosevelt Game Preserve, Scioto Co. A. R. Harper and Conrad Roth.
1488. *Asclepias amplexicaulis* Sm. Bluntleaf Milkweed. Swanton Twp., Lucas Co. E. L. Moseley.
1554. *Aureolaria virginica* (L.) Pennell. Downy False Foxglove. (*Dasystema flava* (L.) Wood. *Gerardia flava* L. of authors). Swanton Twp., Lucas Co. E. L. Moseley.
1555. *Aureolaria flava* (L.) Farw. Smooth False Foxglove. (*Dasystema virginica* (L.) Britt. "Rich woods" South of Delaware, Delaware Co. Robert B. Gordon.
1560. *Otophylla auriculata* (Mx.) Small. Auricled *Gerardia*. Lakeside, Ottawa Co. Collected in 1898. May E. Day.
1564. *Melampyrum lineare* Lam. Narrow-leaf Cow-wheat. Holland, Lucas Co. E. L. Moseley.
1577. *Anisostichus capreolata* (L.) Bur. Cross-vine. Along little Scioto River. Scioto Co. A. R. Harper and Conrad Roth.
1584. *Utricularia minor* L. Lesser Bladderwort. Champaign Co. Herbarium, University of Cincinnati. E. Lucy Braun.
1598. *Myosotis virginica* (L.) B. S. P. Virginia Forget-me-not. "Buffalo Beat," near Buchtel, Athens Co. Len Stephenson
1607. *Echium vulgare* L. Blueweed. Clifton Gorge, Greene Co. Robert B. Gordon. This species is apparently general in the state but no specimens from the northwestern part.
1636. *Satureia hortensis* L. Summer Savory. Buchtel, Athens Co. Len Stephenson.
1645. *Thymus serpyllum* L. Creeping Thyme. Perry, Lake Co. "A large and increasing colony growing in the shade of trees near the old Green nursery cellar, South Ridge Road." F. J. Tyler.
- 1663.1. *Meehania cordata* (Nutt.) Britt. Meehania. "Shaded rocky bank of Turkey Creek." Opposite entrance to Roosevelt Game preserve, Scioto Co. Mrs. Bayard Taylor.
1686. *Salvia lyrata* L. Lyreleaf Sage. Shawnee State Forest, Scioto Co. Mrs. Bayard Taylor.
1725. *Zizia cordata* (Walt.) DC. Heartleaf Meadow-parsnip. "Buffalo Beat," Buchtel, Athens Co. Len Stephenson.
- 1776.1. *Viburnum molle* Mx. reported last year is probably *V. scabrellum* T & G Chapm.
1777. *Viburnum dentatum* L. Toothed Arrow-wood. Huron Co. R. W. Franks and C. F. Walker.
- 1786.1. *Triosteum aurantiacum* Bickn. Scarlet-fruited Horse-gentian. "On a wooded hillside" at Fort Ancient, Warren Co. Katie M. Roads.
1807. *Valeriana pauciflora* Mx. Large-flowered Valerian. Buchtel, Athens Co. Len Stephenson.
1817. *Lobelia puberula* Mx. Downy Lobelia. White's Gulch, Liberty Twp., Jackson Co. Mrs. Bayard Taylor.

- 1822.1. *Scabiosa atropurpurea* L. Mourning-bride. Accidental in a vacant lot, Hillsboro, Highland Co. Katie M. Roads.
1847. *Helianthus mollis* Lam. Hairy Sunflower. Madison, Lake Co. Earl Dodge and F. J. Tyler.
1903. *Chrysopsis mariana* (L.) Nutt. Maryland Golden-aster. White's Gluch, Liberty Twp., Jackson Co. Mrs. Bayard Taylor.
1906. *Solidago flexicaulis* L. Zig-zag Goldenrod. Portsmouth, Scioto Co. Conrad Roth.
1908. *Solidago hispida* Muhl. Hairy Goldenrod. Portsmouth, Scioto Co. Conrad Roth.
1911. *Solidago speciosa* Nutt. Showy Goldenrod. Portsmouth, Scioto Co. Conrad Roth.
1931. *Aster divaricatus* L. White Wood Aster. Ft. Ancient, Warren Co. Also in Marshal Twp., Highland Co. Katie M. Roads.
1936. *Aster lowrieanus* Port. Lowrie's Aster. North of Alton, Franklin Co. R. B. Gordon.
1944. *Aster oblongifolius* Nutt. Aromatic Aster. Minford, Scioto Co. Conrad Roth.
1976. *Eupatorium aromaticum* L. Smaller White Snakeroot. Turkey Creek, Scioto Co. Conrad Roth.
1979. *Lacinaria squarrosa* (L.) Hill. Scaly Blazing-star. Green Brier District, Adams Co. Conrad Roth.
1982. *Lacinaria scariosa* (L.) Hill. Large Blazing-star. Green Brier District, Adams Co. Conrad Roth.
1983. *Lacinaria spicata* (L.) Ktz. Dense Blazing-star. Beaver Pond, Adams Co. "In meadows." E. Lucy Braun. Also Green Brier District, Adams Co. Conrad Roth.
2014. *Senecio pauperculus* Mx. Balsam Squaw-weed. Adams Co. Herbarium, University of Cincinnati. E. Lucy Braun.
- 2014.1. *Senecio glabellus* Poir. Cress-leaf Groundsel. Eaton, Preble Co. Carl N. Gibboney.
2023. *Cirsium virginianum* (L.) Mx. Virginia Thistle. Adams Co. Herbarium University of Cincinnati. E. Lucy Braun.
- 2026a. *Cirsium arvense integrifolium* Wimm. & Grab. North Olmstead, Cuyahoga Co. Freda Detmers.
2039. *Soucheus arvensis* L. Field Sow-thistle. Variety without glandular bristles on the peduncles and involucre. Railway near Madison avenue crossing, Painesville, Lake Co. F. J. Tyler.
2046. *Lactuca sagittifolia* Ell. Arrowleaf Lettuce. Fort Ancient, Warren Co. Katie M. Roads.
2047. *Lactuca villosa* Jacq. Hairy-veined Blue Lettuce. Marshal Twp., Highland Co. Katie M. Roads.
2056. *Hieracium paniculatum* L. Panicked Hawkweed. Marshal Twp., Highland Co. Katie M. Roads.
2058. *Hieracium gronovii* L. Gronovius' Hawkweed. Marshal Twp., Highland Co. Katie M. Roads.
2063. *Hieracium aurantiacum* L. Orange Hawkweed. Lake Aquilla, South of Chardon, Geauga Co. John H. Schaffner and Robert B. Gordon.